Attorney Docket No.: 2307O-099120US Client Reference No.: 2000-123-3

## ENGINEERING ANTIBODIES THAT BIND IRREVERSIBLY

## ABSTRACT OF THE DISCLOSURE

The present invention provides a mutant antibody comprising a reactive site

not present in the wild-type of the antibody and a complementarity-determining region that
specifically binds to a metal chelate, wherein the reactive site is in a position proximate to or
within the complementarity-determining region.

SF 1138496 v2

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